TABLE OF CONTENTS

Volume 54

ARTICLES

ANDREAS, EDGAR L. / Using Scintillation at Two Wavelengths to Measure Path-Averaged Heat Fluxes in Free Convection 167

CLAUSSEN, MARTIN / Estimation of Areally-Averaged Surface Fluxes 387

CLAUSSEN, MARTIN / Local Advection Processes in the Surface Layer of the Marginal Ice Zone 1

FRISCH, A. S. / On the Measurement of Second Moments of Turbulent Wind Velocity With a Single Doppler Radar over Non-Homogeneous Terrain 29

GERA, B. S. and A. WEILL / Doppler Sodar Observations of the Boundary-Layer Parameters and a Frontal System during the "Mesogers 84" Experiment 41

GONG, WANMIN / A Wind Tunnel Study of Turbulent Dispersion over Two- and Three-Dimensional Gentle Hills from Upwind Point Sources in Neutral Flow 211

KRASITSKII, V. P. / Approximate Calculation of Lagrangian Statistical Functions of Fluid Particle Pairs in Isotropic Turbulence 231

KURZEJA, R. J., S. BÉRMAN, and A. H. WEBER / A Climatological Study of the Nocturnal Planetary Boundary Layer 105

LY, LE NGOC / An Application of the E-ε Turbulence Model for Studying Coupled Air-Sea Boundary-Layer Structure 327

MAAT, N., C. KRAAN, and W. A. OOST / The Roughness of Wind Waves 89

McANENEY, K. J. and M. J. JUDD / Multiple Windbreaks: An Aeolean Ensemble 129

NAPPO, CARMEN J. / Sporadic Breakdowns of Stability in the PBL over Simple and Complex Terrain 69

NORD, MARGITTA / Shelter Effects of Vegetation Belts – Results of Field Measurements 363

PARASNIS, SURENDRA S. and SAVITA B. MORWAL / The Convective Boundary Layer over the Deccan Plateau, India during the Summer Monsoon 59

SAWFORD, B. L. and F. M. GUEST / Lagrangian Statistical Simulation of the Turbulent Motion of Heavy Particles 147

SCHMID, H. P., H. A. CLEUGH, C. S. B. GRIMMOND, and T. R. OKE / Spatial Variability of Energy Fluxes in Suburban Terrain 249

VOOGT, J. A. and T. R. OKE / Validation of an Urban Canyon Radiation Model for Nocturnal Long-Wave Fluxes 347

WU, RONGSHENG and WILLIAM BLUMEN / The Ekman Boundary Layer over Orography: An Analysis of Vertical Motion 315

YANG, XIAOHUA / A Study of Nonhydrostatic Effects in Idealized Sea Breeze Systems 183

BOOK REVIEWS

Blumen, William (ed.), *Atmospheric Processes over Complex Terrain* (PETER TAYLOR) 310
Calder, Ian R., *Evaporation in the Uplands* (ULF HÖGSTRÖM) 309

REVIEW ARTICLE

BEER, TOM / The Interaction of Wind and Fire 287

RESEARCH NOTES

PARASNIS, SURENDRA S. / Wind Characteristics in the Lowest 340 m of the Atmospheric Boundary Layer at Pune, India 277
SADHURAM, Y. / Estimation of Bulk Transfer Coefficient for Latent Heat Flux (Ce) 411

Announcement 313
Author Index 417
Corrigendum 209
Subject Index 419
Volume Contents 415